

Notice of Allowability

Application No.

09/746,467

Examiner

AHMED ELALLAM

Applicant(s)

HYAMS ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to IDS filed on 11/07/2007.
2. ☒ The allowed claim(s) is/are 22-39, 41-42 respectively renumbered 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>11/07/2007</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney James Henry on 8/2/07.

The application has been amended as follows:

In the claims:

In claim 22, line 4, the numeral characters "220", "100", and "140" have been deleted.

In claim 22, line 6, the numeral character "260" has been deleted.

In claim 22, line 7, the numeral characters "135" has been deleted.

In claim 22, line 8, the numeral characters "120" has been deleted.

In claim 39, line 2, the term "medium" has been changed to --memory--.

In claim 41, line 2, the term "medium" has been changed to --memory--.

In claim 42, line 2, the term "medium" has been changed to--memory--.

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The closest prior art of records, Bradd et al, US 6,434,229, Thornton et al, US 6,363,065; Cartwright et al, US 6,075,942 singularly or in combination fails to teach or suggest the following:

A residential gateway to receive channel associated signals (CAS) from a PBX switch, the residential gateway comprising (inter alias):

CAS module to receive a table from the management module, the table including a plurality of entries, each of the plurality of entries including a first line signaling state, a second line signaling state, a first time duration, and an event, to receive the channel associated signals from a PBX switch, to recognize a change of line signaling state from a former state to a new state, to find a first entry in the table where the former state is the same as the first line signaling state and the new state is the same as the second line signaling state, to set a timer for the first time duration of the first entry, and to send an indication of the event of the first entry to a call agent through a call control device if the timer expires before the CAS module recognizes a further change of line signaling state, as indicated in independent claim 22.

A method/ means /or computer readable memory having executable instruction for receiving channel associated signals (CAS) from a PBX switch, the method comprising receiving a table including a plurality of entries, each of the plurality of entries including a first line signaling state, a second line signaling state, a time duration, and an event; recognizing a change of line signaling state in the channel associated signals from a former state to a new state; finding an entry in the table where

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the former state is the same as the first line signaling state and the new state is the same as the second line signaling state; setting a timer for the time duration of the entry; and sending an indication of the event to a call agent through a call control device if the timer expires before a further change of line signaling state is recognized, as indicated in independent claims 28, 33 and 38.

Conclusion

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AHMED ELALLAM whose telephone number is (571) 272-3097. The examiner can normally be reached on 7-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H. Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AHMED ELALLAM
Examiner
Art Unit 2616
11/26/07


CHI PHAM
SUPERVISORY PATENT EXAMINER

11/26/07